UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/541,423	07/05/2005	Hiroyuki Ogino	38370	1217
52054 PEARNE & GO	7590 03/27/2007 ORDON LLP	EXAMINER		
1801 EAST 9T		ALLEN, ANDRE J		
SUITE 1200 CLEVELAND	, OH 44114-3108	ART UNIT	PAPER NUMBER	
	,	. 2855		
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		03/27/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Amplicat	ion No	Applicant(a)				
Office Action Summary		Applicat	uon no.	Applicant(s)				
		10/541,4	423	OGINO ET AL.				
		Examine	er	Art Unit				
		Andre J.		2855	<u></u>			
Period fo	The MAILING DATE of this commu or Reply	nication appears on th	ne cover sheet wi	th the correspondence add	ress			
A SHOWHIC WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR THE NOTICE IN T	MAILING DATE OF T s of 37 CFR 1.136(a). In no e munication. tatutory period will apply and y will, by statute, cause the ap	HIS COMMUNIC event, however, may a r will expire SIX (6) MON oplication to become AB	CATION. eply be timely filed ITHS from the mailing date of this consandoned (35 U.S.C. § 133).	•			
Status			•					
1)⊠	Responsive to communication(s) file	ed on <i>05 July 2005</i> .						
,	This action is FINAL . 2b)⊠ This action is non-final.							
'—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
. ,—	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)🖂	Claim(s) 1-9 is/are pending in the a	pplication.						
	4a) Of the above claim(s) is/a	are withdrawn from c	onsideration.					
5)	Claim(s) is/are allowed.	,						
6)⊠	Claim(s) <u>1-9</u> is/are rejected.			·				
7)	Claim(s) is/are objected to.							
8)[Claim(s) are subject to restri	ction and/or election	requirement.					
Applicati	on Papers							
9)	The specification is objected to by the	ne Examiner.						
10)	The drawing(s) filed on is/are	a) accepted or b	o) objected to	by the Examiner.				
	Applicant may not request that any obje	ection to the drawing(s)	be held in abeyar	nce. See 37 CFR 1.85(a).	•			
	Replacement drawing sheet(s) includin	g the correction is requ	ired if the drawing	(s) is objected to. See 37 CFI	R 1.121(d).			
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority ι	ınder 35 U.S.C. § 119				•			
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice	t(s) te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (mation Disclosure Statement(s) (PTO/SB/08) tr No(s)/Mail Date 7-5-05.		Paper No(Summary (PTO-413) s)/Mail Date nformal Patent Application 				

Application/Control Number: 10/541,423

Art Unit: 2855

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35
 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Ogino et al US 2005/0166680).

Regarding claims 1-9 Ogino et al teaches a sensor unit 12 in which a piezoelectric layer 22 containing a piezoelectric ceramic [0071] material is sandwiched by a plurality of electrodes 20 21 a covering layer 23 which covers the sensor unit 12; and heat insulating means 14 made from an expandable synthetic resin [0064] which covers the circumference of the covering layer.

Application/Control Number: 10/541,423

Art Unit: 2855

Regarding claim 2 Ogino et al teaches the sensor unit is a cable-like sensor [0126][0136] comprising a primary electrode which makes up a core unit [0136][0126], a piezoelectric layer 22 which covers the primary electrode 20 and a secondary electrode 21 which covers the outside of the piezoelectric layer [0136][0126].

Regarding claim 3 Ogino et al teaches the sensor unit is a sheet-like [0074]sensor which is formed such that sandwiched by a primary electrode a piezoelectric layer 22 is electrode and a secondary [0074]

Regarding claim 4 Ogino et al teaches the heat insulating means is an elastic material having a hollow portion 16 formed therein [0064].

Regarding claim 5 Ogino et al teaches the heat insulating means is made to double as the covering layer [0067].

Regarding claim 6 Ogino et al teaches the heat insulating means comprises a mounting portion for mounting the pressure sensor on an equipment base material (fig. 2).

Regarding claim 7 Ogino et al teaches molding a heat insulating means on the periphery of the sensor unit through extrusion molding [0020].

Regarding claim 8 and 9 Ogino et al teaches opening and closing equip ment (fig. 1) and determination means for determining on the contact of a foreign matter with the pressure sensor based on an output signal of the pressure (abstract).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andre J. Allen whose telephone number is 571-272-2174. The examiner can normally be reached on mon-fri 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on 571-272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2855

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

André J. Allen Patent Examiner Art Unit 2855